

Art Unit: 2444

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jeffrey Schubert on 8/11/09.

The application has been amended as follows:

1. (Currently Amended) A method for enhancing persistence of a message, the method comprising:
storing the message in an inbound queue after receiving the message;
browsing the inbound queue to identify the message after storing the message in the inbound queue;
copying the message to a working queue, the working queue being persisted by a queue manager, to persist the message, the message being stored, in its entirety, in both the inbound queue and the working queue concurrently;
removing the message from the inbound queue after copying the message to the working queue and after the message is persisted from the working queue;

Art Unit: 2444

assigning a thread to process[[ing]] the message to generate a reply prior to removing the message from the working queue; and
storing the reply in an outbound queue after generating the reply.

17. (Currently Amended) A storage-type machine-accessible medium containing instructions, which when executed by a machine, cause said machine to perform operations, comprising:

storing the message in an inbound queue after receiving the message;

browsing the inbound queue to identify the message after storing the message in the inbound queue;

copying the message to a working queue, the working queue being persisted by a queue manager, to persist the message, the message being stored, in its entirety, in both the inbound queue and the working queue concurrently;

removing the message from the inbound queue after copying the message to the working queue

and after the message is persisted from the working queue;

assigning a thread to process[[ing]] the message to generate a reply prior to removing the message from the working queue; and

storing the reply in an outbound queue after generating the reply.

The following is an examiner's statement of reasons for allowance: Argument presented in Appeal Brief filed on 6/18/09 (pages 8-13) were fully considered and were persuasive. The

Art Unit: 2444

present invention distinguish itself from the prior art by providing fault tolerance during the gap time while removing the message from the inbound queue and storing the message in working queue. The Prior art of record fails to teach a queue divided into an inbound queue, an outbound queue and a working queue; the inbound queue will store the message until the message is copied and persisted in the working queue; the working queue will store and persist the message until a thread assigned to the message, generate a reply and store the reply in an outbound queue in combination with all the elements in the independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DJENANE M. BAYARD whose telephone number is (571)272-3878. The examiner can normally be reached on Monday- Friday 5:30 AM- 3:00 PM.. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Jr Vaughn can be reached on (571) 272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR

Art Unit: 2444

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/D. M. B./

Examiner, Art Unit 2444

/William C. Vaughn, Jr./

Supervisory Patent Examiner, Art Unit 2444